You are given a dataset ([dataset.txt](https://s3-ap-southeast-1.amazonaws.com/venturesity-beta/challenge_resources/sql_engine_dataset.csv), the format of which you can assume to be constant) which contains a list of products. Write a SQL Query Engine which allows user to search this products using various SQL statements. Your engine should be able to execute the following "types of" SQL statements.

SELECT \* FROM products WHERE store=2  
  
title,brand,store,price,in\_stock  
Apple iPhone 5,2,2,599.99,true  
Nokia Lumia 800,3,2,300,false  
Samsung LED TV 51 inches,4,2,900,true  
  
SELECT brand FROM products WHERE price > 600   
  
brand  
2  
2  
4  
4  
4  
  
SELECT MAX(price) FROM products   
  
MAX(price)  
1099.99  
  
SELECT UNIQ(store) FROM products WHERE in\_stock=false  
  
UNIQ(store)  
1  
2  
5  
6  
7  
  
SELECT title FROM products WHERE in\_stock=false AND brand=5   
  
title  
L'Oreal Hair Conditioner  
L'Oreal Hair Conditioner  
  
SELECT title FROM products WHERE in\_stock=false AND ( brand=5 OR store=2 )   
  
title  
Nokia Lumia 800  
L'Oreal Hair Conditioner  
L'Oreal Hair Conditioner

**JUDGING CRITERIA**

* Code should be clean and readable.
* We expect your program to be modular through the use of functions/separate classes.
* Don't spend time on performance/UI decorations. Simple command line UI which works is expected.

**HELP & SUPPORT**

In case you have any queries or require further information kindly send a word to [support@venturesity.com](mailto:support@venturesity.com)